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भारत का राजपत्र

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सं. 19]

नई दिल्ली, शनिवार, मई 7, 1977 (बैशाख 17, 1899)

NO. 19]

NEW DELHI, SATURDAY, MAY 7, 1977 (VAISAKHA 17, 1899)

इस भाग में भिन्न पृष्ठ सख्ती दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोट्स

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 7th May 1977

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

The 31st March 1977

489/Cal/77. T. Polvara. Continuous system for scratching and dyeing hides and method.

490/Cal/77. C. N. Stanger. Roofing panels. (April 2, 1976).

491/Cal/77. Mitsubishi Rayon Co., Ltd. Stabilization process of methyl methacrylate.

The 1st April 1977

492/Cal/77. Schering Aktiengesellschaft. 1, 2, 3-thiadiazol-5-yl-ureas, a process for their manufacture and their use in retarding the growth of and defoliating plants.

493/Cal/77. Schering Aktiengesellschaft. Herbicidally active carbanilic acid esters and their manufacture and use.

494/Cal/77. H. Ishizuka. Apparatus for sawing stone.

495/Cal/77. Shin-Etsu Chemical Co. Ltd. Method for removing unreacted monomer from the aqueous dispersion of polymerizate of vinyl chloride and apparatus therefor.

496/Cal/77. P. C. Luther. Improvements in or relating to a novel process for reclamation of oil from used grease.

497/Cal/77. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Method and apparatus for receiving a thread and transferring it to a bobbin after a bobbin change.

498/Cal/77. Chubb Fire Security Limited. Fire-fighting compositions. (April 6, 1976).

499/Cal/77. Toyama Chemical Co., Ltd. A process for producing cephalosporins. [Divisional date January 19, 1976].

500/Cal/77. Toyama Chemical Co., Ltd. A process for producing cephalosporins. [Divisional date January 19, 1976].

The 4th April 1977

501/Cal/77. Union Carbide India Limited. A method for improving leakproofness of a zinc-manganese dioxide dry battery.

502/Cal/77. Klein, Schanzlin & Becker Aktiengesellschaft. Rotor for rotary pumps.

503/Cal/77. Ruhrchemie Aktiengesellschaft. Process for the manufacture of polyolefines.

The 5th April 1977

504/Cal/77. Philips Petroleum Company. Carbon black and preparation thereof.

505/Cal/77. Proizvodstvennoe Obiedinenie "Uralelektrotynzhmash". Three-phase transformer for feeding semiconductor rectifiers.

- 506/Cal/77. Ptoizvodstvennoe Obicidinenie "Uralelektrotyazhmasch". Three-phase transformer for feeding power to semiconductor rectifier.
- 507/Cal/77. Redon Trust. Non-magnetic anti-personnel mine.
- 508/Cal/77. H. Grossbard. Brilliantized step cut stone.
- 509/Cal/77. USS Engineers and Consultants, Inc. Method of repairing damaged ingot molds handling jugs.
- 510/Cal/77. Fertilizer Corporation of India Ltd. Direct tools.
- 511/Cal/77. Fertilizer Corporation of India Ltd. Direct potential to constant direct-current converter with adjustable span and range suppression.
- 512/Cal/77. R. Monga. A method for the manufacture of cladded bars, plates, sheets or strips.
- 513/Cal/77. R. Monga. A method for the manufacture of cladded bars, plates, sheets or strips.
- 514/Cal/77. Pulp and Paper Research Institute. Improvements in or relating to recovery plant in a pulp mill.
- 515/Cal/77. Cabot Corporation. Carbon black-rubber masterbatch production.
- 516/Cal/77. Gulf Corporation. Method of killing insects.

The 6th April 1977

- 517/Cal/77. Conveyor & Ropeway Services. Loading device system such as loading of coal and ore.
- 518/Cal/77. University of Waterloo. Fermentation processes using scraped tubular fermentor.
- 519/Cal/77. A. Graetz. Articles for collecting and retaining amniotic fluid.
- 520/Cal/77. F. Fassler. Method and associated apparatus for treating hemorrhoids.
- 521/Cal/77. Lucas Industries Limited. Fuel injection pumping apparatus. (April 20, 1976).

**APPLICATION FOR PATENTS FILED AT THE
(DELHI BRANCH)**

The 9th March 1977

- 43/Del/77. M. P. George. Electronic digital hand tachometer.
- The 10th March 1977
- 44/Del/77. Council of Scientific and Industrial Research. A gear box.
- 45/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to powerless etching of aluminium and its alloys for block making.

The 11th March 1977

- 46/Del/77. Dr. H. C. Visvesvaraya. An impermeable bag.
- The 14th March 1977
- 47/Del/77. D. P. Mathur. Insulating material for expansion joints. "Tarulight".

The 15th March 1977

- 48/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to the preparation of laccomenthol.
- 49/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to chemically graining and oxidising aluminium for use as lithographic plates.
- 50/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to silver oxide cadmium batteries with sintered silver plates,

The 19th March 1977

- 51/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to the manufacture of carbon granules suitable for use in telephone transmitters.
- 52/Del/77. Council of Scientific and Industrial Research. Three speed hub for vehicles such as bicycles.
- 53/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to the process of manufacture of methaqualone and methaqualone hydrochloride.

**APPLICATION FOR PATENTS FILED AT THE
(MADRAS BRANCH)**

The 29th March 1977

- 62/Mas/77. C. Iyer. A process for isolation of liquid in a heterogeneous medium.

The 31st March 1977

- 63/Mas/77. Standard Mechanical Scales. Steel yards.
- 64/Mas/77. C. Hariprasad. A fertiliser.
- 65/Mas/77. C. Hariprasad. A method of preparation of ammonia.

The 1st April 1977

- 66/Mas/77. M. V. Sreenivasa Raju. Sealing of box.

ALTERATION OF DATE

- | | | |
|-------------|---|---------------------------------|
| 141924. | } | Ante-dated 22nd February, 1974. |
| 446/Cal/76. | | |
| 141925. | } | Ante-dated 12th October, 1972. |
| 618/Cal/76. | | |
| 141950. | } | Post-dated 23rd July, 1975. |
| 304/Bom/74. | | |

COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification respectively".

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Shankar Ray Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 47E.

141921.

24 Claims.

Int. Cl.-C10b 31/02.

CHARGING CAR FOR COKE OVENS.

Applicant : DR. C. OTTO & COMP., GMBH., OF BO-CHUM, WEST GERMANY.*Inventor* : ERICH PRIES.

Application No. 717/Cal/75 filed April 9, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A charging car adapted to move over the top of a coke-oven battery, the car comprising hoppers associated one each with charging apertures disposed in an alignment parallel to the axis of each chamber, characterised in that the hopper associated with adjacent charging holes are so disposed on the charging car as to be in substantially consecutive relationship to one another in the direction of charging car movement, and transverse conveyors are provided between the hopper outlets and the telescopic charging tubes adapted to be placed on the frames of the charging hole-lids.

CLASS 206E.

141922.

Int. Cl.-C07c 169/26.

SEMICONDUCTOR DEVICES.

Applicant : RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK, 10020, UNITED STATES OF AMERICA.*Inventor* : CARL FRANKLIN WHEATLEY, JR.

Application No. 1354/Cal/75 filed July 11, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An integrated device comprising : a wafer of semiconductor material having therein two spaced apart transistors of the same conductivity type, each said transistor comprising an emitter region at least partly surrounded, at a surface of said wafer, by a base region, and a collector region disposed within said wafer beneath said emitter and base regions, the collector regions of said two transistors comprising a layer within said wafer extending substantially uninterruptedly beneath and between said transistors, and means for causing the common emitter current gain of one said transistors to be at least an order of magnitude less than that of the other of said transistors, whereby said base region and said emitter region of said one transistor comprise a diode, said diode, by virtue of said one transistor's common emitter current gain, being substantially electrically isolated from said other of said transistors.

CLASS 164C.

141923.

Int. Cl.—B65g 47/00.

APPARATUS FOR EXTRACTING BULK MATERIAL FROM DUMPS.

Applicant : GUSTAV SCHADE MASCHINENFABRIK, OF D-4600 DORTMUND, AM ROSENPLATZCHEN 120, GERMAN FEDERAL REPUBLIC.*Inventors* : FRITZ SCHADE, GUNTER STROCKER & GERHARD FISCHER.

Application No. 1794/Cal/75 filed September 19, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Apparatus for extracting bulk material from a dump constructed and adapted to run along the dump in a given direction having clearing means which in a working position are for dislodging material from a face of the dump which is transverse to the said direction upon movement of the apparatus along the dump to advance the clearing means into the face and a conveyor in the form of a scraper chain with a working position transverse to the said direction and which is operable to remove transversely material dislodged by the clearing means, from the bottom of that face, both the clearing means and the scraper chain conveyor each being movable out of the said working positions.

CLASS 32Fd.

141924.

Int. Cl.-C07c 169/26.

PROCESS FOR THE PREPARATION OF 3β , 17α -DIHYDROXY- 9β , 11β -EPOXY-20-KETO STEROID.*Applicant* : OMNI RESEARCH INCORPORATED, AT EL RETIRO INDUSTRIAL URBANIZATION, SAN GERMAN, PUERTO RICO.*Inventor* : BJARTE LOKEN.

Application No. 446/Cal/76 filed March 12, 1976.

Division of Application No. 380/Cal/74 filed February 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for preparing 3β , 17α -dihydroxy- 9β , 11β -epoxy-20-keto steroid or 21 esters thereof, which comprises :

(a) reacting 3β -lower acyloxy- 5α -pregna-9, 16-diene-20-one with hypobromous acid in aqueous acetone at temperatures below about 15°C ., forming thereby the 9α -bromo- 11β -hydroxy steroid;

(b) dehydrohalogenating in a manner such as herein described the 9α -bromo- 11β -hydroxy steroid, forming thereby a 9β , 11β -epoxy steroid;

(c) peroxide treating the 9β , 11β -epoxy steroid, forming thereby a 9β , 11β , 16α , 17α -bis-epoxy steroid; then

(d) after converting in a manner such as herein described the 20-one bis-oxide steroid into the 20, 20-ethylene dioxy derivative, reacting the bis-epoxy steroid so formed with methyl magnesium bromide in tetrahydrofuran solution to form thereby a 9β , 11β -epoxy- 16β -methyl Grignard addition reaction product; and

(e) converting in known manner the Grignard addition reaction product to 3β , 17α -dihydroxy- 9β , 11β -epoxy- 16β -methyl-pregn-20-one.

CLASS 34A.

141925.

Int. Cl.-D01f 7/02.

PROCESS FOR PREPARING A SYNTHETIC POLY-MER FILAMENT.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.*Inventor* : ROBERT ALAN BLICKENSTAFF.

Application No. 618/Cal/76 filed April 8, 1976.

Division of Application No. 1649/72 filed October 12, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Process for preparing a synthetic polymer filament from shapable compositions of acrylonitrile polymers, which comprises forming a composition comprising water and an acrylonitrile polymer containing at least 40 weight percent units of acrylonitrile, and forcing the composition under pressure through an extrusion orifice at an elevated temperature to obtain the filament, wherein water is added to the acrylonitrile polymer in an amount equivalent to between 45% and 100% of that required to hydrate all the nitrile groups in the polymer, and at least equivalent to 80% of that required to hydrate the coupled nitrile groups (on a 1/1 water molecule/nitrile group basis), but no more than 7% by weight of water based on polymer, more than the amount to be combined as hydrate, followed by heating the composition under at least autogenous pressure to at least the temperature of hydration T_h , as determined by Laser Raman Spectroscopy, and then extruding at a temperature of 25°C. below to 10°C. above said temperature of hydration T_h .

CLASS 172D₇ & D₈.

141926.

Int. Cl.-D02g 3/36.

A DEVICE FOR USE IN SPINNING CORE YARNS ON CONVENTIONAL RING SPINNING MACHINES.

Applicant : THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, COIMBATORE AERODROME P.O., COIMBATORE-641014, TAMIL NADU, INDIA

Inventors : KASTHURISWAMY SREENIVASAN, SRINIVASALU NAIDU GOVINDARAJAN AND KARYAVELU PARAMESWARAN RAMAKRISHNA PILLAI.

Application No. 118/Mas/74 filed July 8, 1974.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

A device for use in spinning of core yarns in conventional ring spinning machine comprising of a pre-tensioning member for the core, core guide for guiding the core in the required path wherein the said pre-tensioning member consists of two discs loaded by a coil spring, the said core guides and pretensioning member being mounted on a bracket which in turn is fixed on the roving guide bar of the ring spinning machine so that the core is always in phase with the roving guide bar.

CLASS 32F_b & 60X_d.

141927

Int. Cl.-C07c 169/14.

A PROCESS FOR THE PREPARATION OF 17-AMINO-4-AZANDROSTANE ANALOGUES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI-MARG, NEW DELHI-1, INDIA.

Inventors : HARKISHAN SINGH AND DHARAM PAUL.

Application No. 990/Cal/74 filed May 1, 1974.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office, Delhi Branch.

1 Claim.

A process for the production of 4-methyl-17 β -dimethylamino-4-aza-androstane dimethiodide (HS-467), which consists in five steps : potassium permanganate-metaperiodate oxidation of androst-4-ene-3, 17-dione, oxidation of 5, 17-dioxo-3, 5-seco-4-norandrostan-3-oic acid, sodium-pentanol reduction of 5, 17-dioximino-3, 5-seco-4-norandrostan-3-oic acid, N methylation of 17 β -amino-4-aza-5 α -androstane, and quaternization of 4-methyl-17 β -dimethylamino-4-aza-5 α -androstane.

CLASS 10F.

141928

Int. Cl.-F02k 9/00.

IMPROVEMENT RELATING TO PROPULSION UNITS FOR LIQUID-FUELLED ROCKETS.

Applicant : MESSERSCHMITT-BOLKOW-BLOHM, GESELLSCHAFT MIT BESCHRANKTER HAFTUNG OF 8000 MUNCHEN, WEST GERMANY

Inventors : GUNTHER SCHMIDT, FRITZ KUDERL, SIEGFRIED BEHR AND CIRISTIAN ACHMULLER.

Application No. 1254/Cal/74 filed June 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

11 Claims.

In a main-flow propulsion unit of the type set forth and having a control propulsion unit system, an arrangement whereby the turbo-pump unit is connected to convey fuel and oxidiser selectively to either the main-flow propulsion unit or to the control propulsion unit system, the fuel and oxidiser feed to the control propulsion unit being connected through heat exchangers also connected to a gas generator fed with fuel and oxidiser from the turbo-pump and producing hot gas for vapourising the fuel and oxidiser in the heat exchangers, means being provided to render the heat exchangers inoperative when the main-flow propulsion unit is in full operation.

CLASS 55E_c & 60X_a

141929

Int. Cl.-C07g 11/00, C12d 9/00.

PROCESS FOR PREPARING ANTIBIOTIC SUBSTANCES COMPRISING COMPOUNDS 35763, 36926, 37277 AND 37932 OR ANTIBIOTIC MIXTURES THEREOF.

Applicant : PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Inventors : WALTER DANIEL CELMER, WALTER PATRICK CULLEN AND JOHN BRODERICK ROUTEIN, CHARLES EDWARD MOFFET, RIICHIRO SHIBAKAWA AND JUNSUKU TONE

Application No. 659/Cal/75 filed April 2, 1975.

Appropriate office for opposition Proceedings (Rule Patents Rules 1972) Patent Office, Calcutta.

7 Claims.

A process for preparing antibiotic substances comprising compounds 35,763, 36,926, 37,277 and 37,932 or antibiotic mixtures thereof characterized by cultivating *Actinoplanes auranticolor* ATCC 31011 under submerged aerobic conditions in an aqueous nutrient medium containing an assimilable source of carbon and nitrogen until substantial antibiotic activity is obtained and, if desired, separating by methods as described herein said antibiotic or said antibiotic mixture therefrom.

CLASS 84A & 88D.

141930

Int. Cl.-C10k 3/04.

PRODUCTION OF METHANE RICH GAS STREAM.

Applicant : TEXACO DEVELOPMENT CORPORATION, OF 135 EAST 42ND STREET, NEW YORK, NEW YORK 10017, U.S.A.

Inventors : EDWARD TAYLOR CHILD AND ALLEN MAURICE ROBIN.

Application No. 908/Cal/74 filed April 22, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A process for producing a methane-rich gas stream characterized by the combination of steps :—

(1) producing a raw process gas stream principally comprising CO, H₂, CO₂ and H₂O, by the partial oxidation in a gas generator of a hydrocarbonaceous feedstock with a free-oxygen containing gas comprising about 90 to 99.9 mole % at an autogenous temperature of 1200 to 3500°F and a pressure of 1 to 350 atm. abs.;

(2) cooling the effluent gas stream from (1) removing any suspended solids therefrom and adding supplemental H₂O to produce a feed gas stream for water-gas shift conversion having a mole ratio H₂O/CO in the range of 2 to 8

(3) reacting the feed gas stream from (2), in a water-gas shift conversion zone, in the presence of a water-gas shift conversion catalyst at a temperature in the range of 650 to 950°F and a pressure in the range of 1 to 350 atm. abs. until at least 75 mole % of the CO is reacted with H₂O to produce H₂ and CO₂.

(4) cooling, and purifying the effluent gas stream from (3) in an acid-gas purification zone and separating a CO₂-rich gas stream, producing a hydrogen-rich gas stream;

(5) reacting together at a temperature in the range of 400 to 1500°F, in at least one catalytic methanation zone, hydrogen and substantially all of the carbon oxides in a process gas stream comprising the hydrogen-rich gas stream from (4) in admixture with at least a portion of the CO₂-rich stream separated in (4), and removing from said methanation zone an effluent gas stream substantially comprising in mole % (dry basis) CH₄ 50 to 96, H₂ 3 to 46, CO 0 to 0.5, CO₂ 0.3 to 0.7, Ar+N₂ 0.2 to 8 and

(6) cooling the effluent gas stream from (5) and separating H₂O therefrom, to produce said methane-rich product stream.

CLASS 107G & I.

141931

Int. Cl.-F02m 7/12.

AN INTERNAL COMBUSTION ENGINE.

Applicant : ACF INDUSTRIES, INCORPORATED, OF 750 THIRD AVENUE, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventor : ALFRED CONRAD KORTE.

Application No. 229/Cal/74 filed February 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

5 Claims.

An internal combustion engine having at least one control device which is operated by the suction created by the natural aspiration of the engine when the engine is in operation and an attachment which modifies the degree of suction applied to said control device, the attachment comprising a housing, a bellows mounted in the housing and responsive to barometric pressure and/or temperature changes of the atmospheric air either or both of which effects a change in a dimension of the bellows, a plate pivotally mounted in the housing, said bellows being operatively connected to said plate so that when a change in the dimension of the bellows occurs pivotal movement is imparted to the plate, and an air metering device which allows ambient air to be admitted to a passage through which the suction is applied to the control device, said metering device including a metering element which is operatively connected to said plate so as to be movable therewith whereby the amount of ambient air admitted to said passage varies with variation in the dimension of said bellows.

CLASS 107G & I

141932.

Int. Cl.-F02m 7/12.

AN INTERNAL COMBUSTION ENGINE.

Applicant : ACF INDUSTRIES, INCORPORATED, OF 750 THIRD AVENUE, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : MORRIS CLYDE BROWN, FORREST WORTH COOK, RALPH EUGENE KALERT, ARTHUR CHARLES VOLLMER, JERRY HARRIS WINKLEY.

Application No. 230/Cal/74 filed February 2, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

An internal combustion engine having at least one control device which is operated by the suction created by the natural aspiration of the engine when the engine is in operation and an attachment which modifies the degree of suction applied to said control device, the attachment comprising a housing, a bellows mounted in the housing and responsive to barometric pressure and/or temperature changes of the atmospheric air either or both of which effects a change in a dimension of the bellows, a plate pivotally mounted in the housing, said bellows being operatively connected to said plate so that when a change in the dimension of the bellows occurs pivotal movement is imparted to said plate, an air metering device which allows ambient air to be admitted to a passage through which the suction is applied to said control device, said metering device including a metering element operatively connected to said plate, said bellows acting on said plate at a position removed from the pivot through the intermediary of adjustment means, and biasing means acting on said plate adjacent its end remote from the pivot.

CLASS 107G & I.

141933.

Int. Cl.-F02m 7/12.

AN INTERNAL COMBUSTION ENGINE HAVING MEANS FOR COMPENSATING FOR AIR DENSITY VARIATION.

Applicant : ACF INDUSTRIES, INCORPORATED, OF 750 THIRD AVENUE, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : MORRIS CLYDE BROWN, FORREST WORTH COOK, RALPH EUGENE KALERT, ARTHUR CHARLES VOLLMER, JERRY HARRIS WINKLEY.

Application No. 231/Cal/74 filed February 2, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An internal combustion engine having a vacuum motor which is operated by the suction created by the natural aspiration of the engine when the engine is in operation, the vacuum motor having a working chamber to which the suction is applied through a passage, the engine also including an attachment which modifies the degree of suction in said working chamber by admitting ambient air to said passage, said attachment comprising a housing the interior of which is in communication with the ambient air, a plate pivotally mounted in the housing, control means operatively coupled to the plate to impart pivotal movement to the plate when a change in the barometric pressure and/or temperature of the ambient air occurs, and metering means including a metering element operatively connected to the plate so as to be movable thereby, said metering element determining the size of an orifice through which air from the interior of the housing can flow to said passage.

CLASS 107G & I.

141934.

Int. Cl.-F02m 7/12.

AN INTERNAL COMBUSTION ENGINE.

Applicant : ACF INDUSTRIES, INCORPORATED, OF 750 THIRD AVENUE, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : MORRIS CLYDE BROWN, FORREST WORTH COOK, RALPH JUGENI KALFERT, ARTHUR CHARLES VOLLMER AND JERRY HARRIS WINKLEY.

Application No. 232/Cal/74 filed February 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

An internal combustion engine having at least one control device which is operated by the suction created by the natural aspiration of the engine when the engine is in operation and an attachment which modifies the degree of suction applied to said control device, the attachment comprising a housing, a bellows mounted in the housing and responsive to the barometric pressure and/or temperature changes of the atmospheric air either or both of which effects a change in a dimension of said bellows, a plate pivotally mounted at one end in the housing, said bellows being operatively connected to said plate so that when a change in the dimension of the bellows occurs pivotal movement is imparted to said plate, an air metering device which allows ambient air to be admitted to a passage through which the suction is applied to said control device, said metering device including a metering element operatively connected to said plate, said bellows acting on said plate at a position removed from the pivot, through the intermediary of adjustment means, and a spring having one end adjustably secured to said plate adjacent the end of the plate remote from the pivot and having its other end adjustably secured to the housing by an adjusting means which is operable from exterior of the housing, and there being also included sensing means responsive to an engine operating condition said sensing means being coupled to said adjusting means whereby the force exerted by the spring on the plate varies in response to said engine operating condition.

CLASS 107G & I.

141935.

Int. Cl.-F02m 7/12.

AN INTERNAL COMBUSTION ENGINE.

Applicant : ACF INDUSTRIES INCORPORATED, OF 750 THIRD AVENUE, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : MORRIS CLYDE BROWN, FORREST WORTH COOK, RALPH JUGENI KALFERT, ARTHUR CHARLES VOLLMER, JERRY HARRIS WINKLEY.

Application No. 233/Cal/74 filed February 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An internal combustion engine having at least one control device which is operated by the suction created by the natural aspiration of the engine when the engine is in operation and an attachment which modifies the degree of suction applied to said control device, the attachment comprising a housing, a plate pivotally mounted in the housing, an air metering device which allows ambient air to be admitted to a passage through which the suction is applied to said control device, said metering device including a metering element which is operatively connected to said plate so as to be movable therewith, and control means responsive to barometric pressure and/or temperature changes of the ambient air, said control means being operatively connected to said plate so that as said change or changes occur pivotal movement will be imparted to the plate thereby to effect a change in the flow of ambient air to said passage.

CLASS 47E.

141936.

Int. Cl.-C10b 21/10, 23/00.

UNDERJET COKE OVENS.

Applicant : DR. C. OTTO & COMP. GMBH., OF BOCHUM, WEST GERMANY.

Inventor : ERICH SCHON.

Application No. 935/Cal/74 filed April 24, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Underjet coke oven in which vertical brick work ducts are provided for the supply of combustion gas to each individual combustion port that is disposed in the heating flues, the said ducts being connected in rows to gas distribution ducts via nozzles whose cross-section is adjustable from the basement and which are so designed that relaxation of the gas takes place therein from the pressure which prevails in the distribution pipe, characterised in that the vertical brick work ducts of a plurality of adjacent combustion ports are connected via branch pipes to a common nozzle and regulating elements which can be adjusted from the basement are provided in at least part of the branch pipes for the gas which is already substantially expanded at that position.

CLASS 158C.

141937.

Int. Cl.-B61g 3/04.

RAILWAY CAR COUPLER.

Applicant : MIDLAND-ROSS CORPORATION, OF 55, PUBLIC SQUARE, CLEVELAND, OHIO 44113, UNITED STATES OF AMERICA.

Inventor : WILLIAM JOSEPH METZGER.

Application No. 1355/Cal/74 filed June 19, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A railway car coupler knuckle for pivoted mounting on a coupler head having a standard 10A coupler contour, said knuckle comprising a hub portion and extending therefrom a nose portion and a tail portion, said knuckle having a 10A coupler contour modified to offset the pulling face of its nose portion approximately 5/64 inch closer to the buffing race of the coupler head in which the knuckle is mounted, as measured along the longitudinal centre line of the coupler and with the knuckle locked in its closed position in the head, and the heel and adjacent front face portions of said knuckle being relieved and contoured along a smooth convex curve formed by several radii, (herein called a compound convex curve) said modified contour providing a contour slack of approximately 5/8 inch between two coupled couplers having knuckles of said modified contour.

CLASS 32A.

141938.

Int. Cl.-C09b 1/00, 1/16.

PROCESS FOR RECOVERING SUBSTANTIALLY PURE 1, 5-AND/OR 1-8-DINITROANTHRACIQUINONE FROM DINITRATION MIXTURES.

Applicant : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventor : WALTER HOHMANN.

Application No. 2245/Cal/74 filed October 7, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims. No drawings.

A process for recovering substantially pure 1, 5-and/or 1, 8-dinitroanthraquinone from dinitration mixtures optionally containing sulphuric acid or a perfluoralkane sulfonic acid having 1 to 4 C-atoms, which comprises adjusting the nitric acid concentration in the mixture to a value of 91 to 96% for a ratio by weight of nitric acid to solids from 2.5 : 1 to 10 : 1 by distilling off concentrated nitric acid and/or by adding water or aqueous nitric acid; separating off insoluble crude 1, 5-dinitroanthraquinone at 15 to 50°C by filtration; taking up the 1, 5-anthrquinone with 90 to 100% nitric acid with a ratio by weight of nitric acid to solids of from 0.5 : 1 to 3.5 : 1; stirring at 15 to 80°C separating off the insoluble pure 1, 5-dinitroanthraquinone thus obtained; adjusting the mother liquid left following the separation of the crude 1, 5-dinitroanthraquinone to a nitric acid concentration of from 88 to 94% for a ratio by weight of nitric acid to solids of from 3.0 : 1 to 12 : 1, with the proviso that the nitric acid concentration is at least 1.5% lower than in the preceding separation of crude 1, 5-dinitroanthraquinone by distilling off concentrated nitric acid and/or by adding water or aqueous nitric acid and, separating at a temperature in the range of from 20 to 50°C and freeing it from the nitric acid adhering thereto.

CLASS 32F₂b & 60X₂d.

141939.

Int. Cl.-C07d 49/14.

A PROCESS FOR THE PREPARATION OF ANTIPYRINE.

Applicant : NUCHEM PLASTICS LTD., OF 20/6, MIFF-STONE, MATHURA ROAD, FARIDABAD-121002, INDIA.

Inventors : DR. AJIT SINGH AND VINOD KUMAR TANEJA.

Application No. 2487/Cal/74 filed November 11, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims No drawings.

Process for the preparation of antipyrine by reacting pyrazolone with dimethyl sulphate characterized in that pyrazolone is reacted with 6 to 9 moles of dimethyl sulphate at a temperature of 180° to 220°C.

CLASS 90A & I.

141940.

Int. Cl.-C03b 27/00.

HEAT TREATING GLASS SHEETS

Applicant : LIBBEY-OWFNS-FORD COMPANY OF 811, MADISON AVENUE, TOLEDO, OHIO, U.S.A.

Inventors : GEORGE FREDERICK RITTER JR, FRANK JOSEPH HYMORE AND DONALD DALE RAHRIG.

Application No. 307/Cal/75 filed February 18, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

A method of heat treating glass in which a succession of flat glass sheets are supported in substantially horizontal position and moved along a predetermined path through a heating area in which the glass is heated to substantially its point of softening, a bending area in which the heated sheets are shaped to a final desired contour and a chilling area in which streams of cooling fluid are directed against opposite surfaces of the heated and bent glass sheets to temper them characterized by angling certain of said streams of cooling fluid that are adjacent the entrance end of said chilling area to direct the same toward and in the direction of travel of said glass sheets.

CLASS 32F₂b.

141941.

A PROCESS FOR THE SYNTHESIS OF ANTIULTRAVIOLET 1-SUBSTITUTED 4-CARBAMOLYPYPERAZINES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

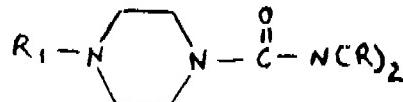
Inventors : SATYAVAN SHARMA, RAMAN NARAYANA IYER, NITYA ANAND, RANJIT KUMAR CHATTERJI, SUBHASH CHANDRA, AMALENDU DUTTA AND AMIYA BHUSHAN SEN.

Application No. 1551/Cal/75 filed August 8, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

A process for the synthesis of 1-substituted 4-carbamolypiperazines of the general formula I.



wherein R₁ is hydrogen or an alkyl radical like methyl, ethyl, propyl or an aryl radical like phenyl or an aralkyl radical like benzyl and N(R)₂ is a heterocyclic nucleus such as pyridylidyl,

involving the condensation of 1-substituted piperazinocarbonyl chlorides (prepared from 1-substituted piperazine and phosgene by methods essentially known in literature) with heterocyclic amines such as pyrrolidine in solvents like benzene in presence of a base like triethylamine.

CLASS 184 & 195A.

141942.

Int. Cl.-B67d 3/02.

A FLOAT FOR A FLOAT VALVE.

Applicant & Inventor : LT. CDR SATYAPAL BHARDWAJ, 316, KHAJUR ROAD, NEW DELHI-110005, INDIA.

Application No. 13/Cal/76 filed January 2, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A float adapted to be used with a float valve of a water storage tank wherein said float being connected to said float valve through a connecting rod, a connecting means provided with said float for rotatably connecting said float to one end of said connecting rod characterized in that said connecting means is provided off centre with respect to said float.

CLASS 24D₂.

141943.

Int. Cl.-F16k 17/00.

AN HYDRAULIC SAFETY DEVICE FOR HYDRAULIC BRAKING SYSTEM OF VEHICLE.

Applicant & Inventor : CHIRARANJAN CHAKRABORTY, 111 FEEDER ROAD, CALCUTTA-700057, WEST BENGAL, INDIA.

Application No. 107/Cal/76 filed January 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An hydraulic safety device for hydraulic braking system of vehicles comprising a body (1) having two cylindrical passages (14, 14/1) one end of each of the passages being joined to a common inlet (13) suitably threaded for connecting with master cylinder, the other end of each other cylindrical passages being closed by a hollow threaded socket forming outlet (6, 6a/1) capable of being connected to the hydraulic pipe lines leading to the front wheel brakes and the rear wheel

brakes; one light, double acting oil tight piston (2) with a tapered extension (4) being introduced in each of the cylindrical passages (14, 14/1) capable of intercepting the continuity of the brake fluid from master cylinder to the brake cylinders while maintaining the continuity of fluid pressure, one small oil passage (8) by passing each of the piston and connected with the first and second passages (9 & 10) from the cylindrical passage and fitted with a blocking screw (12) capable of closing and opening the by passing passage (8) as and when required and one hydraulic pressure switch (15) being connected to each of the cylindrical passages (14, 14/1) through a third oil passage (17); the whole arrangement being such that the hydraulic pressure from the master cylinder reaches

the brake cylinders by displacing the piston through a small distance but incase of any leakage in the brake line the piston moves till its tapered extension but against the out-let passage (6a) in the hollow socket completely closing that particular out-let passage (6a) and uncovering the oil passage (17) leading to the corresponding pressure switch which then lights up a pilot lamp (19) indicating the occurrence of a leakage in the particular hydraulic line.

CLASS 68D & 69B & I. 141944

Int. Cl.-H01h 85/00.

IMPROVEMENT IN OR RELATING TO FUSE CONTROLLED DEVICE FOR OPERATING ELECTRICAL CIRCUIT.

Applicant & Inventor : ROCHE RAMCHAND PARDASANI, BHATIA BUILDING, 87, RANADE ROAD, SHIVAJI PARK, DADAR, BOMBAY-28, INDIA.

Application No. 92/Bom/74 filed March 7, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

24 Claims.

An improved fuse controlled device for operating electrical circuit comprising at least re-wirable fuse unit which includes matching members of insulating material where a set of electrical contacts is enclosed between the front plate and base plate of fuse unit, where between at least a pair of electrical contacts at least a wire fuse is connected to conduct the current and where at least a spring loaded member is held against force of its spring by a wire fuse such that the said spring loaded member is released and displaced when the wire fuse is operated and through the movement of the said spring loaded member so released at least a switch is operated characterised by that the wire fuse which conducts the current and holds the spring loaded member against force of its spring is provided between the front plate and the base plate of the fuse unit.

CLASS 68D & 69B & I. 141945.

Int. Cl.-H01h 85/00.

IMPROVEMENT IN OR RELATING TO FUSE CONTROLLED DEVICE FOR OPERATING ELECTRICAL CIRCUIT.

Applicant & Inventor : ROCHE RAMCHAND PARDASANI, BHATIA BUILDING 87, RANADE ROAD, SHIVAJI PARK, DADAR, BOMBAY-82, INDIA.

Application No. 101/Bom/74 filed March 14, 1974

Addition to No. 92/Bom/74.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

12 Claims.

Improvements in or modifications of the "Fuse Controlled device for operating electrical circuit" claimed in parent specification No. 92/Bom/74 where at least a switch provided in the said device is operated through a lever,

CLASS 69-I.

141946.

Int. Cl.-H01h 35/00.

AN IMPROVED ELECTRICAL SWITCH.

Applicant : EDGAR HANDIFY CO. PRIVATE LTD., AT SUKSHARIA CHAMBERS, 135, NAGINDAS MASTER ROAD, BOMBAY-1, BR, STATE OF MAHARASHTRA, INDIA.

Inventor : ASHOK WAMAN PHANSALKAR.

Application No. 114/Bom/74 filed March 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

An electrical switch comprising a photoconductive cell, an electrical heating element wound on a bi-metallic strip and a micro-switch made up of a fixed contact and a moving contact the said components being mounted on a base characterised in that the said photoconductive cell and the said electrical heating element are connected in series along with a resistor thereby eliminating the use of an amplifier for amplifying the current output of the photoconductive cell, the said micro-switch having its fixed contact which is electrically insulated being rigidly fitted to the base of the electrical switch while the said bi-metallic strip is provided with a hook at its free end and another insulated strip which is provided with another hook at its one end which is free, the other end of the said insulated strip being rigidly fitted to the base of the electrical switch such that the said insulated strip lies parallel to the bi-metallic strip and the said hooks on both the strips face each other, the said moving contact of the microswitch being delicately pivoted between the said two hooks, the said moving contact and fixed contact of the microswitch being adapted to be connected to the two wires of the two wires of the single phase A.C. supply mains while the said photoconductive cell, the said heating element and the said resistor which are all in series are also adapted to be connected across the said two wires of the single phase A.C. supply mains.

CLASS 172D, & D.

141947.

Int. Cl.-D01h 1/00, 13/00.

IMPROVEMENTS IN OR RELATING TO COMPENSATORY DEVICES ON THE GODETS OF POT SPINNING MACHINES FOR RAYON SPINNING.

Applicant : CENTURY RAYON. (PROP : THE CENTURY SPINNING & MANUFACTURING CO LIMITED), (A DIVISION OF THE CENTURY SPINNING & MANUFACTURING CO. LTD.), OF CENTURY BHAVAN, BOMBAY-400018, STATE OF MAHARASHTRA, INDIA.

Inventors : BALKRISHAN TRIBHOVANDAS MEHTA AND PUTHENPURAYIL BALKRISHNA PILLAI MURATIDHAREN.

Application No. 188/Bom/74 filed May 13, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

A compensatory device on the godets of pot spinning machines for rayon spinning comprising a sprocket wheel rigidly connected to the driving spindle coupled to the screw of positive infinite variable gear box of the lower godet, the sprocket wheel being connected by means of a chain drive with another sprocket wheel on the extended spindle of the pinion gear shaft and the compensatory device on the upper godet such that any movement in the pinion gear affected by the movement of the cam and sector gear of the compensatory device in the upper godet is transmitted by means of the aforesaid two sprocket wheels to the control screw of the lower godet positive infinite variable gear box which effectively maintains the ratio of the R.P.M. of the lower godet with respect to the R.P.M. of the upper godet,

CLASS 126A & 199.

141948.

Int. Cl.-G01f 23/24.

A WAVE HEIGHT MEASURING DEVICE.

Applicant : THE DIRECTOR, CENTRAL WATER AND POWER RESEARCH STATION, P.O. KHADAKWASLA RESEARCH STATION, POONA-24, MAHARASHTRA STATE, INDIA.

Inventors : PHOOL CHAND SAXENA AND MANDAR JANARDHAN KHURJEKAR.

Application No. 235/Bom/74 filed June 21, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

A wave height measuring device comprising one or more capacitive probes, an oscillator for excitation of said probes, an inductance provided within said oscillator, the signal from said probe being fed to an amplifier, a measuring instrument such as a recorder connected to said amplifier.

CLASS 172D, & D..

141949.

Int. Cl.D01h 7/04, 7/00.

IMPROVEMENTS IN OR RELATING TO UPTWISTER SPINDLE ASSEMBLY FOR WINDING MACHINES USED IN TEXTILE INDUSTRY.

Applicant & Inventor : BHOGILAL HIRALAL BACH-KANIWALA, HIRALAL COLONY, ASHWANIKUMAR ROAD, SURAT-395003, GUJARAT, INDIA.

Application No. 237/Bom/74 filed June 21, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

22 Claims.

A spindle assembly for winding machines used on up-twisting machines used in textile industry comprising a vertical tapering spindle body 9 carrying a boss 9E near its middle portion, the bottom of said boss being reduced to form a rod 9D along one plane, the rod being extended downwardly and outwardly to form a first shank 9A which is further extended downwardly to form a second shank 9C of smaller diameter than the first shank, said second shank 9C being further reduced in diameter and extended downwardly to form a spindle needle 9B and a bush 2 fitted at the bottom free end, wherein—

- (a) the said bush 2 carries a floating pivot assembly consisting a spiral spring 4, a pivot 5 located within said spiral spring sandwiched between a pair of metal washers;
- (b) the first shank 9A is provided with a counter sunk bolt 7 with a dome nut 8;
- (c) a housing is located around the reduced portion 9D of spindle below the boss 9E, said housing carrying a rubber ring 11 sandwiched between a metal washer 10 and an oil cup 14 carrying a felt washer 15;
- (d) in the central opening of said rubber ring 11 is provided a metal bush 12 with a bearing 13 which is lubricated by the felt washer 15; and
- (e) a brake assembly is provided which consists of two brake shoes 19-19 connected to each other by a brake shoe spring, said assembly being operable by a brake lever 21 with a ball knob 22 and the housing is covered by a cup-shaped top cover 20 secured by counter sunk bolts 24 with washer 23.

CLASS 68E₁.

141950.

Int. Cl.-G05f 1/00.

POWER FACTOR CORRECTOR.

Applicant : HAKOTRONICS PVT. LTD., OF SUSSEX ROAD, BYCULLA, BOMBAY-400 027, MAHARASHTRA, INDIA.

Inventor : KIRIT JAMNADAS SHETH.

Application No. 304/Bom/74 filed August 26, 1974.

Post dated July 23, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

A power factor correction device according to the invention for varying load conditions and which includes relays, characterized in that the said device is provided with means for distinction of power factor by time differentiation between current wave-form and voltage wave-form and subsequent processing of the said wave-forms by solid state electronic means for facilitating automatic power factor correction with pre-set power factor sensitivity and anti-hunting facilities.

CLASS 24A & 53B.

141951.

Int. Cl.-B62i 3/00.

IMPROVEMENTS IN BICYCLE BRAKES.

Applicant : REMSONS CABLES PRIVATE LIMITED, AT 88 B, GOVERNMENT INDUSTRIAL ESTATE, KANDIVI WEST, BOMBAY-400067, STATE OF MAHARASHTRA, INDIA.

Inventor : OM PRAKASH SARDARILAL SIKKA, AND VISWAPRAKASH RAMNIWAS HARLALKA.

Application No. 359/Bom/74 filed October 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

A bicycle brake mechanism comprising—

- (a) bracket assembly for fixing the brake system on the bicycle frame,
- (b) central assembly for equal distribution of braking force on the two brake-arms,
- (c) brake-arm assembly to be fixed on the bicycle fork (front or rear), and
- (d) brake-shoe assembly for application of frictional force on the bicycle rim.

the bracket assembly (a) comprising a bracket in two components mounted on the bicycle frame with pin and nut for screwing cable adjuster, the central assembly; (b) comprising the brake cable, adjuster, central lever and central cord with end fittings which are fixed on the brake-arms by a circular slotted pin, the brake cable being gripped on the central lever with the help of a washer and nut, the brake arm assembly; (c) comprising a pair of brake-arms mounted on a double-end fulcrum axis with the help of a plurality of nuts, washers and a double-twist torsion spring for quick release, the same fulcrum axis being used as a centre bolt for fixing the brake-arm assembly on to the bicycle fork (front or rear) one end of the brake-arm being provided with holes for the central cord and the other end being provided with elliptical slots to receive the bolts of the brake shoes, the brake shoe assembly; (d) comprising a brake-block crimped on the brake-shoe mounted on a bracket with bolt on to the brake-arm elliptical slot with the help of washer and nut.

CLASS 195C.

141952.

Int. Cl. F16k51/00.

IMPROVEMENTS IN OR RELATING TO QUICK ACTING VALVES.

Applicant: DEWRANCE & CO. LIMITED, OF TREVISHICK WORKS, GILLIBRANDS ESTATE, SKEIERSDALE, LANCASHIRE, WN8 9TU, ENGLAND.*Inventor:* ALEXANDER WIERZBICKI.

Application No. 597/Cal/74 filed March 20, 1974.

Convention date March 19, 1973/(13156/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A quick acting isolating valve including a valve body, having a fixed seat defining an opening through which fluid may flow and coating therewith a closure head moveable between a position spaced from the fixed seat to permit fluid flow through the opening and a position of abutment with the fixed seat to prevent fluid flow through the opening, the moveable closure head being carried on a stem which has fixed thereto a piston reciprocable in a piston chamber to be formed in the valve body, and a fluid outlet from the piston chamber to permit discharge of fluid therefrom upon movement of the piston within the chamber, which outlet comprises or includes one or more fixed orifices in the chamber leading to a drain connection which orifice or orifices is or are progressively closed off from communication with the chamber or progressively restricted in aperture by the movement of the piston and stem thereby effecting progressive restriction of fluid flow from the piston chamber as the closure head approaches the position of abutment with the fixed seat.

CLASS 40-I

141953.

Int. Cl. B01i 3/08, 7/00, 11/02,

F23m 3/12, 3/02,

F23b 7/00.

COMBUSTION BOAT FOR COMBUSTING STEEL/BRASS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.*Inventors:* SHRI VISHWA MITRA BHUCHAR, SHRI ARUN KUMAR AGRAWAL, SHRI JAYANTI PRASAD VASISHT AND SHRI OUDH NARAIN LAL SRIVASTAVA.

Application No. 1192/Cal/74 filed May 31, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A combustion boat particularly suited for combusting steel drillings to determine the sulfur content of the steel comprising a boat in which steel drillings in presence of platinum catalyst are placed, the said boat being made of ceramic material namely, sillimanite/alumina mixed with magnesia and/or fire clay to withstand a temperature of 1400-1600° and free from water soluble sulfate characterised in that the ceramic boat is cylindrical in form, the said cylinder having a holed collar and a bottom cup further characterised in that the ceramic cylinder is provided with a plurality of helical strips or perforations between the collar and the bottom cup the said helical strips being alternated with helical open spaces for providing access to oxygen contained in a flask and the said bottom cup is in the form of a cup without or with protrusion/s in its bottom and its side/s to hold the drillings aloft in the said boat to provide better access to oxygen whereby when the boat is suspended through the holed collar in the oxygen flask and the steel admixed with filter paper clippings, aluminum drillings and platinum pieces is ignited through ignited filter paper wick and is thermally combusted, a high temperature of 1600° is produced causing the steel to melt and resulting in the oxidation of sulfur in steel in presence of platinum catalyst to sulfur trioxide which on dissolving in water and titrating gives the sulfur content of the steel.

CLASS 195C.

141952.

Int. Cl. F16k51/00.

CLASS 29B.

141954.

Int. Cl. B65b 65/08.

IMPROVED TICKET CARTRIDGE.

Applicant: INTERNATIONAL BUSINESS MACHINES CORPORATION, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.*Inventors:* RONALD LLOYD AMUNDSON, WALLACE ERIC BEUCH, CHARLES DONALD GREEN, WILLIAM JOHN HARRIS, PAUL MARLIN CHARISON AND KEITH ERWIN INMAN.

Application No. 44/Cal/75 filed January 8, 1975.

Convention date May 15, 1974/(2107/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A cartridge for generally rectangular tickets comprising a casing which is rectangular in cross section having two side walls, two end walls and a pair of flanges on the bottom extending from the side walls for supporting a stack of the tickets and spaced to leave a gap through which individual tickets may be pressed into the cartridge, the first end wall having a slot adjacent the bottom through which individual tickets may be moved out of the cartridge, and the bottom flanges extending from the first end wall to a position spaced from the second end wall to leave a slot adjacent the second end wall through which individual tickets may be moved into the cartridge to build up a stack of tickets.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by The Associated Cement Companies Ltd. to the grant of a patent on application No. 139624 made by F. I. Smith & Co. A/S

(2)

An opposition has been entered by The Associated Cement Companies Limited to the grant of a patent on application No. 139758 made by F. L. Smith & Co. A/S

(3)

An opposition has been entered by IDL Chemicals Limited to the grant of a patent on application No. 140456 made by Ireco Chemicals

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

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140146 140157 140158 140208.

CORRECTION OF CLERICAL ERRORS

Under Section 78(1) of the Patents Act, 1970, certain clerical errors occurring in the specification of patent application No. 139486 were corrected on 28th March 1977.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendment proposed by "Hepworth & Grandage Limited" in respect of Patent No. 135743 as advertised in Part III, Section 2 of the Gazette of India dated the 4th December 1976 has been allowed.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

NO. AND TITLE OF THE INVENTION

- 89880 (16-9-63) Improved apparatus and process for refining lubricating oils.
 127289 (17-3-71) Improvements in or relating to the electrolytic preparation of lead dioxide powder.
 128974 (24-10-70) Novel catalyst system and process for producing phthalic anhydride using the same.

RENEWAL FEES PAID

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 81659 81772 81787 81853 81908 82175 82211 82833 82383
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 115511 115582 115614 115652 115693 115694 115737 115776
 115837 115940 116031 116106 116402 116436 116527 116961
 116989 117079 117369 117699 117742 117743 117791 118287
 118322 119723 120006 120123 120151 120152 120154 120155
 120359 120447 120448 120518 120671 120687 120688 120689
 120711 120722 120752 120799 120830 120834 120843 120939
 120956 120994 120995 121021 121018 121019 121025 121083
 121089 121191 121246 121420 121465 121506 121616 121620
 121713 121784 121812 121817 121888 121933 121948 121989
 122040 122479 122885 122886 123810 123931 124818 124953
 124954 124969 125030 125444 125509 125513 125818 125832
 125894 125895 125993 126048 126168 126235 126316 126337
 126349 126406 126422 126444 126597 126635 126849 126952
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 128757 128823 128953 129041 129231 129232 129317 129354
 129486 129498 129677 130522 130580 130609 130610 130744
 130821 130829 130831 130849 130861 130877 130921 130923
 130932 130974 130988 131000 131044 131099 131119 131139

131161 131184 131265 131270 131289 131303 131308 131389
 131404 131429 131431 131532 131546 131648 131653 131654
 131655 131671 131691 131692 131693 131734 131737 131738
 131739 131740 131741 131834 131896 131977 132025 132115
 132123 132166 132180 132181 132270 132338 132372 132449
 132660 132900 132922 132999 133074 133247 133273 133303
 133338 133567 133621 133946 133959 133992 134203 134228
 134235 134439 134570 134571 134572 134702 134703 134735
 134736 134758 134791 134863 134917 134923 134924 134925
 134948 134967 135047 135079 135127 135128 135165 135238
 135246 135256 135257 135274 135277 135285 135290 135330
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 135569 135603 135678 135735 135772 135824 135845 135846
 135847 135917 135923 135924 135967 136157 136281 138282
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 136875 136925 136953 137003 137028 137071 137147 137177
 137279 137373 137388 137847 137921 137974 138035 138136
 138206 138207 138254 138257 138282 138336 138384 138503
 138504 138570 138618 138654 138713 138737 138754 138794
 138797 138888 138890 138928 138930 138986 139016 139034
 139044 139064 139093 139101 139125 139175 139189 139195
 139196 139197 139198 139200 139201 139211 139215 139224
 139225 139232 139247 139256 139257 139261 139265 139276
 139330 139331 139332 139397 139398 139409 139639 139690
 140091.

CESSATION OF PATENTS

81955 81965 81966 81972 81980 81983 81993 82000 82014
 82092 82098 82101 82105 82151 82201 82244 82245 82246
 82261 82293 82298 82299 82412 82448 82505 82527 82550
 82592 82597 82614 82621 82625 82626 82642 82663 82678
 82765 82767 82780 82795 82818 89010 137878 138830.

RESTORATION PROCEEDINGS.

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 135479 granted to Council of Scientific and Industrial Research for an invention to "a stove suited for domestic use". The patent ceased on the 2nd June 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 23rd April, 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on or before the 30th June 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 135879 granted to Matharatill Velayudhan Vasudevan for an invention relating to "a quick clamping and self locking drill cheeck". The patent ceased on the 27th July, 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 23rd April, 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 30th June, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138786 granted to Abani Bhushon Halder for an invention relating to "instant pepper grinder". The patent ceased on the 7th March, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 23rd April, 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharaya Jagadish Bose Road, Calcutta-17 on or before the 30th June, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application for restoration of Patent No. 103959 dated the 19th February 1966 made by National Research Development Corporation of India on the 21st July 1976 and notified in the Gazette of India, Part III, Section 2 dated the 1st October 1976 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 126441 dated the 30th April, 1970 made by Pritam Vachani on the 26th April 1976 and notified in the Gazette of India, Part III, Section 2 dated the 20th November, 1976 has been allowed and the said patent restored.

(6)

Notice is hereby given that an application for restoration of patent No. 129793 dated the 20th September, 1971 made by Narala Tatarao on the 20th August, 1976 and notified in the Gazette of India, Part III, Section 2 dated the 23rd October, 1976, has been allowed and the said patent restored.

(7)

Notice is hereby given that an application for restoration of patent No. 129794 dated the 20th September, 1871 made by Narala Tatarao on the 20th August, 1976 and notified in the Gazette of India, Part III, Section 2 dated the 23rd October, 1976, has been allowed and the said patent restored.

(7)

Notice is hereby given that an application for restoration of patent No. 129795 dated the 20th September, 1971 made by Narala Tatarao on the 20th August, 1976 and notified in the Gazette of India, Part III, Section 2 dated the 23rd October, 1976, has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. Nos. 144603 & 144604. Sudhakar Shankar Naik, an Indian National, residing at A-8/14, Shahu Nagar, Mahim (East), Dharavi, Bombay-400017, Maharashtra State, India. "Bicycle brake". August 10, 1976.

Class 1. Nos. 144605 & 144606. Sudhakar Shankar Naik, an Indian National, residing at A-8/14, Shahu Nagar, Mahim (East), Dharavi, Bombay-400017, Maharashtra, India. "Brake lever". August 10, 1976.

Class 1. No. 144795. Rajasthan Kala Kendra, 91-Cricket Market, Sadar Bazar, Delhi (An Indian Partnership Concern). "Toy ship". October 12, 1976.

Class 1. No. 144812. Sunil Kumar Bharel, of 73, Masjid Moth, New Delhi-110049, India, an Indian National. "Electrical tester". October 16, 1976.

Class 3. No. 144777. Minni Trading Corporation, 6, Fateh Nivas, Goraswadi, Malad, Bombay-400064. Maharashtra, an Indian Partnership firm. "Cap of the bottle". October 7, 1976.

Class 3. Nos. 144784 & 144785. M/s. Bombay Filters & Appliances Private Limited (a private limited company incorporated under the Indian Companies Act), at Navjivan Society, Building No. 3, Room No 24, Lamington Road, Bombay-400008, Maharashtra, India. "Electric torch". October 11, 1976.

Class 3. No. 144788. Suru Chemicals and Pharmaceuticals Private Limited (a private limited company incorporated under the Indian Companies Act), at C-3, Sona Udyog, Parsi Panchayat Road, Andheri (East), Bombay-400069, Maharashtra, India. "Syringe". October 11, 1976.

Class 3. No. 144834. Kizhanathan Varadachari Srinivasan Joy Toy Industries, 3-B, Eldams Road, 3rd Floor, Madras-600 018, South India, Subject of the Indian Republic "Laughing doll". October 20, 1976.

Class 3. No. 144835. Kizhanathan Varadachari Srinivasan, Joy Toy Industries, 3-B, Eldams Road, 3rd Floor, Madras-600 018, South India, Subject of the Indian Republic. "Laughing doll". October 20, 1976.

Class 3. No. 144846. Suru Chemicals and Pharmaceuticals Private Limited (A private limited company incorporated under the Indian Companies Act), at C-3, Sona Udyog, Parsi Panchayat Road, Andheri (East), Bombay-400069, Maharashtra, India. "Syringe". October 27, 1976

Class 3. No. 144853. Gautam Dhruv Berry, an Indian National, trading as Trapu Enterprises, of 95, Mohamed Shahid Marg, Bombay-400008, State of Maharashtra, India. "A playing board". October 29, 1976.

Class 3. No. 144964. Iyotiprakash Kanhaiyalal Saraf, 248, Budhwar Peth, Poona-411002, Maharashtra State, India. A subject of the Republic of India. "A table balance". November 29, 1976.

Class 5. Nos. 144758 & 144759. Tetra Pak International AB, of Fack S-22101, Lund 1, Sweden. A Swedish Company. "A container". September 27, 1976.

Class 10. No. 144748. U. P. Shoe Industries Private Ltd. of 11/48-2, Rambagh, Hathras Road, Agra-6, Uttar Pradesh, India, A company incorporated, India. "Sole of shoes". September 22, 1976.

S. VEDARAMAN
Controller-General of Patents, Designs
and Trade Marks